

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for providing and processing a cursored user interaction with a spatially displayed medical image and performing image processing on said medical image, said method comprises the steps of:

providing a menu-less graphical interface having a plurality of sensitive areas positioned at predetermined, fixed relative positions with respect to an associated medical image display field and with each other, wherein each of the plurality of sensitive areas is associated with one of a plurality of different cursors; and

controlling a mouse configured such that positionings of said mouse within each of said plurality of sensitive areas causes display of one of the plurality of different cursors and allows activation and control of a plurality of inherent processing functionalities respectively associated with each of said plurality of sensitive areas.

2. (Original) A method as claimed in Claim 1, for selecting grey range and/or color range windowing through geometrical mouse positioning.

3. (Original) A method as claimed in Claim 1, for selecting image mirror or rotation transformations.

4. (Original) A method as claimed in Claim 1, for selecting image zoom or pan transformations.

5. (Original) A method as claimed in Claim 1, for selecting shutter masking of the display field.

6. (Previously Amended) A method as claimed in Claim 1, for selectably navigating through a sequence of images that base on marginal stepping with respect to an imaged object.

7. (Currently Amended) An apparatus for providing and processing cursored user interactions with a spatially displayed medical image and producing graphics related data on said medical image, said apparatus comprises:

menu-less graphical interface having a plurality of sensitive areas positioned at predetermined, fixed relative positions with respect to an associated medical image display field and with each other, wherein each of the plurality of sensitive areas is associated with one of a plurality of different cursors;

a mouse configured such that positionings of said mouse within each of said plurality of sensitive areas causes display of one of the plurality of different cursors and allows activation and control of a plurality of inherent processing functionalities respectively associated with each of said plurality of sensitive areas; and

display means dimensioned for displaying said medical image and said menu-less graphical interface.

8. (Original) An apparatus as claimed in Claim 7, and having selection means for selecting grey range and/or color range windowing through geometrical mouse positioning.

9. (Original) An apparatus as claimed in Claim 7, and having selection means for selecting image mirror or rotation transformations.

10. (Original) An apparatus as claimed in Claim 7, and having selection means for selecting image zoom or pan transformations.

11. (Original) An apparatus as claimed in Claim 7, and having selection means for selecting edged shutter masking of the display field.

12. (Previously Amended) An apparatus as claimed in Claim 8, and having navigation means for selectably navigating through a sequence of images that base on marginal stepping with respect to an imaged object.

13. (Currently Amended) A machine-readable computer program, said program being arranged for providing and processing a cursored user interaction with a spatially displayed medical image and performing image processing on said medical image, said computer program comprising the steps of:

providing a menu-less graphical interface having a plurality of sensitive areas positioned at predetermined, fixed relative positions with respect to an associated medical image display field and with each other, wherein each of the plurality of sensitive areas is associated with one of a plurality of different cursors;

controlling a mouse configured such that positionings of said mouse within each of said plurality of sensitive areas causes display of one of the plurality of different cursors and allows activation and control of a plurality of inherent processing functionalities respectively associated with each of said plurality of sensitive areas; and controlling outputting representations of said processing functionalities.